

WHAT IS CLAIMED IS:

1. A sprayer having a handle, at an inlet end of the handle are arranged connection means for a supply line and at an outlet end of the handle are arranged a sprayer head and a shut-off valve which can be actuated by means of a hand lever counter to a force of a restoring spring, having a flow channel which runs through the handle from the connection means to the shut-off valve, and having means which are arranged between the connection means and the shut-off valve and are intended for damping pressure surges, wherein arranged in the interior of the flow channel is a cylinder element, which is closed at an end which is directed toward the connection means and is open in an end region which is directed toward the shut-off valve, and in which a gas volume for damping the pressure surges is located.
2. The sprayer as claimed in claim 1, wherein a double-acting piston is guided in a freely moveable manner in the cylinder element and, at one end, has the pressure of the water acting on it and at the other end, limits the gas volume.
3. The sprayer as claimed in claim 1, wherein a gas-filled balloon or bellows is arranged in the cylinder element.
4. The sprayer as claimed in claim 1, wherein the connection means are formed on a connection nipple, on which the cylinder element is fastened.
5. The sprayer as claimed in claim 2, wherein the connection means are formed on a connection nipple, on which the cylinder element is fastened.
6. The sprayer as claimed in claim 3, wherein the connection means are formed on a connection nipple, on which the cylinder element is fastened.
7. The sprayer as claimed in claim 1, wherein the restoring spring is supported at one end on the cylinder element and, at the other end, on a slide, on which a closure element of the shut-off valve is arranged and on which the hand lever acts.
8. The sprayer as claimed in claim 7, wherein the slide is of cup-like design, a valve-seat element which is arranged in a fixed manner in relation to the handle projects into the slide, the valve-seat element interacts with the closure element arranged in the interior of the slide, and the slide has apertures which communicate with the flow channel.
9. The sprayer as claimed in claim 8, wherein the slide is mounted in the sprayer head.
10. The sprayer as claimed in claim 1, wherein arranged between the handle and cylinder element is a connecting sleeve, which bounds the flow channel and on which the connection means and the sprayer head are fastened.